



PM800

General

	256GB	128GB	64GB
Manufacturer	SAMSUNG	SAMSUNG	SAMSUNG
Model	256GB MLC SSD	128GB MLC SSD	64GB MLC SSD
Interface	SATA 3.0Gb/s	SATA 3.0Gb/s	SATA 3.0Gb/s

Performance

Host Transfer Rate	300MB/sec	300MB/sec	300MB/sec
Maximum Sequential Read Rate	220MB/s (2.5"), 200MB/s(1.8", Slim)	220MB/s	220MB/s
Maximum Sequential Write Rate	200MB/s (2.5"), 180MB/s(1.8", Slim)	200MB/s	120MB/s

Drive Capacity

	256GB	128GB	64GB
Unformatted Capacity	256GB	128GB	64GB
User-Addressable Sectors	500,118,192	250,069,680	125,045,424
Bytes per Sector	512	512	512

Electrical

	2.5"	1.8"	Slim
Voltage	5V \pm 5%	3.3V \pm 5%	3.3V \pm 5%

Power Consumption

Active (Average during)	0.26W
Idle/Standby/Sleep	0.15W

Reliability

S.M.A.R.T Support	Yes
MTBF	1,000,000 Hours
Preventive Maintenance	None required

Environment

Temperature	
Operating	0°C to 70°C
Non-Operating	-55°C to 95°C
Shock	
Operating	1500G, (@ 0.5msec half sine wave)
Non-Operating	1500G, (@ 0.5msec half sine wave)
Vibration	20G Peak, 10 ~ 2000Hz, (15mins/ Axis) x3 Axis
Humidity	0°C to 55°C / 90~98% RH

Physical

	2.5"	1.8"	Slim
Width	69.85 \pm 0.25mm	54.0 \pm 0.2mm	54.0 \pm 0.13mm
Height	9.5 \pm 0.2mm	5.0 \pm 0.15mm	3.6 \pm 0.13mm
Length	100.3 \pm 0.2mm	78.50 \pm 0.3mm	76.20 \pm 0.13mm
Weight	80g	40g	20g

NOTE : 1 megabyte (MB) = 1 million bytes; 1 gigabyte (GB) = 1 billion bytes

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